

HindIII 283

AAGCTTCACCAACCACATCATCATCACGCATCACACCACCAACGCATCATCACACCATC  
 -----+-----+-----+-----+-----+-----+-----+  
 TTCTGAAGTGGTAGTAGTAGTAGTGCCTAGTGGTGGTGGTGGTAGTAGTAGTGGTAG  
 a K L H H H H H A S P P P P R I I I T I  
 b S F T T I I I T H H H H H A S S S P S  
 c A S P P S S S R I T T T T H H H H H H

SphI 196

ACCTCGAGCGTCACACTAGCTGAGTAAGCATGC  
 -----+-----+-----+  
 TGGAGCTCGCAGTGTGATCGACTCAITCGTACG  
 a T S S V T L A E \* A C  
 b P R A S H \* L S K H  
 c L E R H T S \* V S M

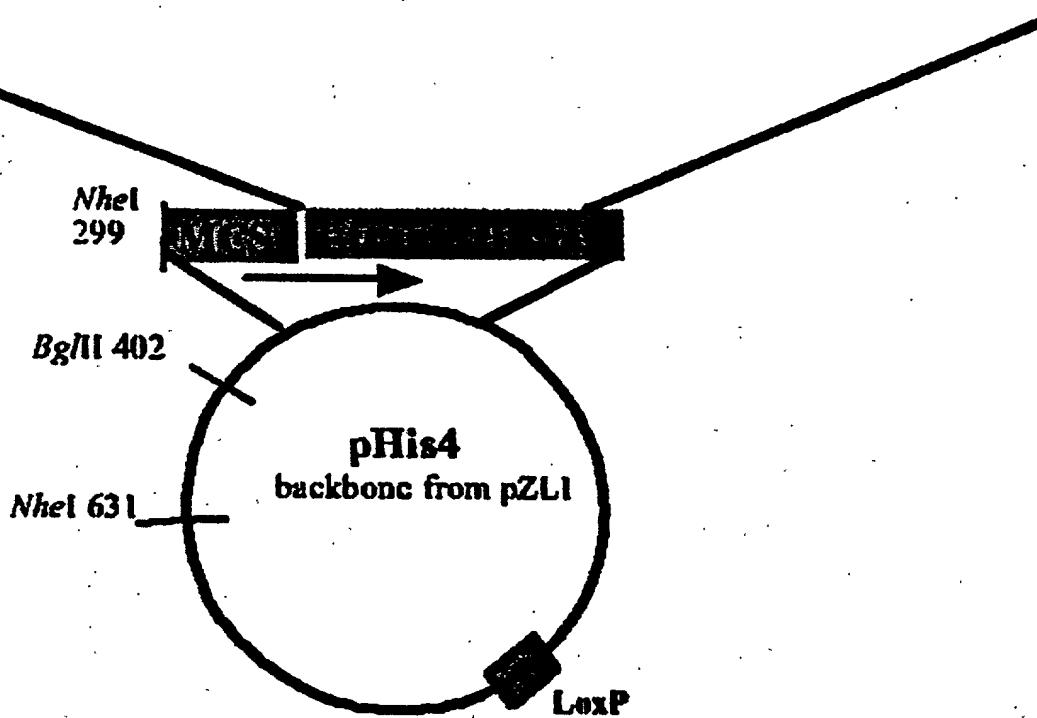
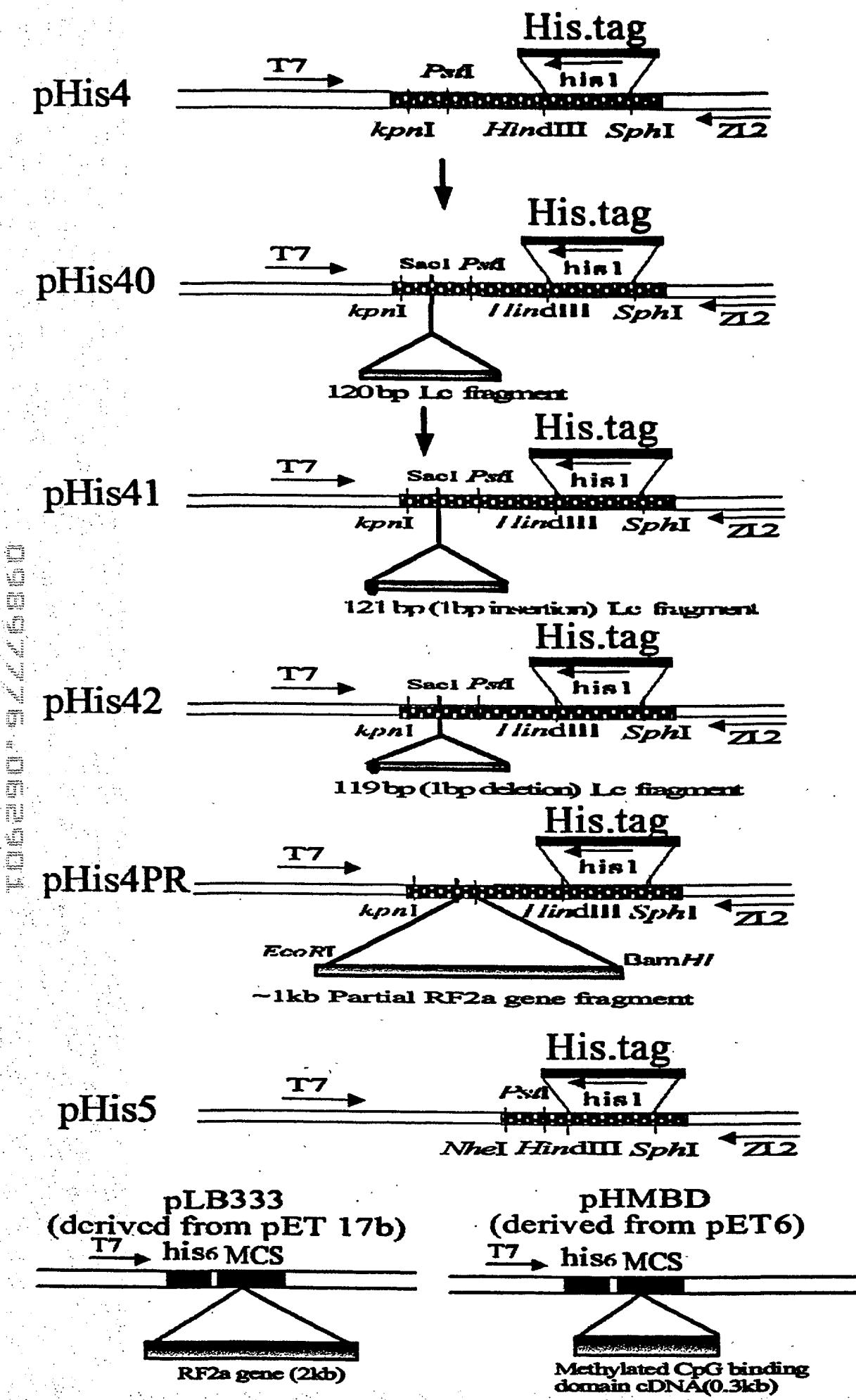
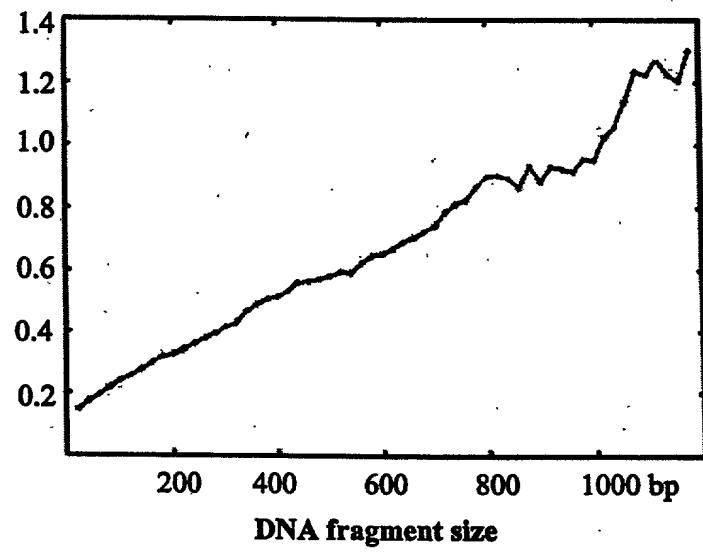


Figure 1

FIGURE 2



**Correct translation**  
**non-organismal protein**



**Figure 3**

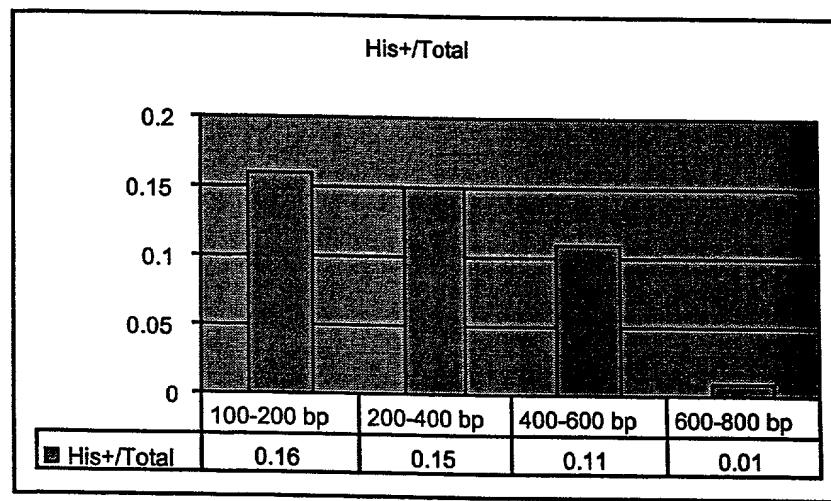


Figure 4

**T7 promoter**

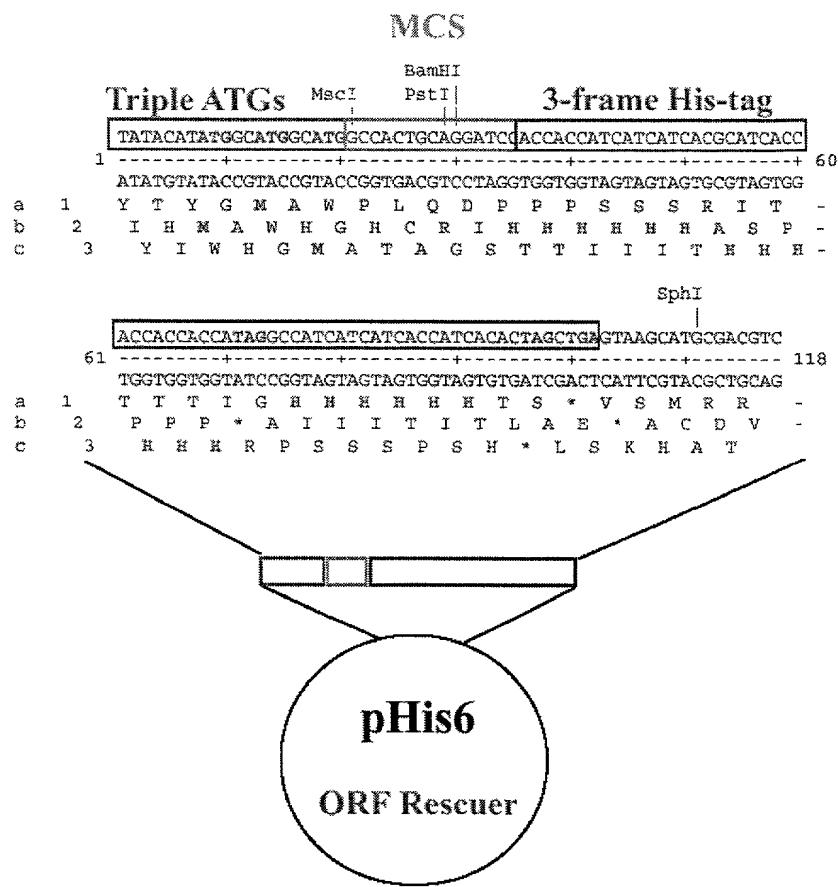
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TGTTTAACTTAAAGAAGGAGATATACATATGGCATGGCATGGCCA

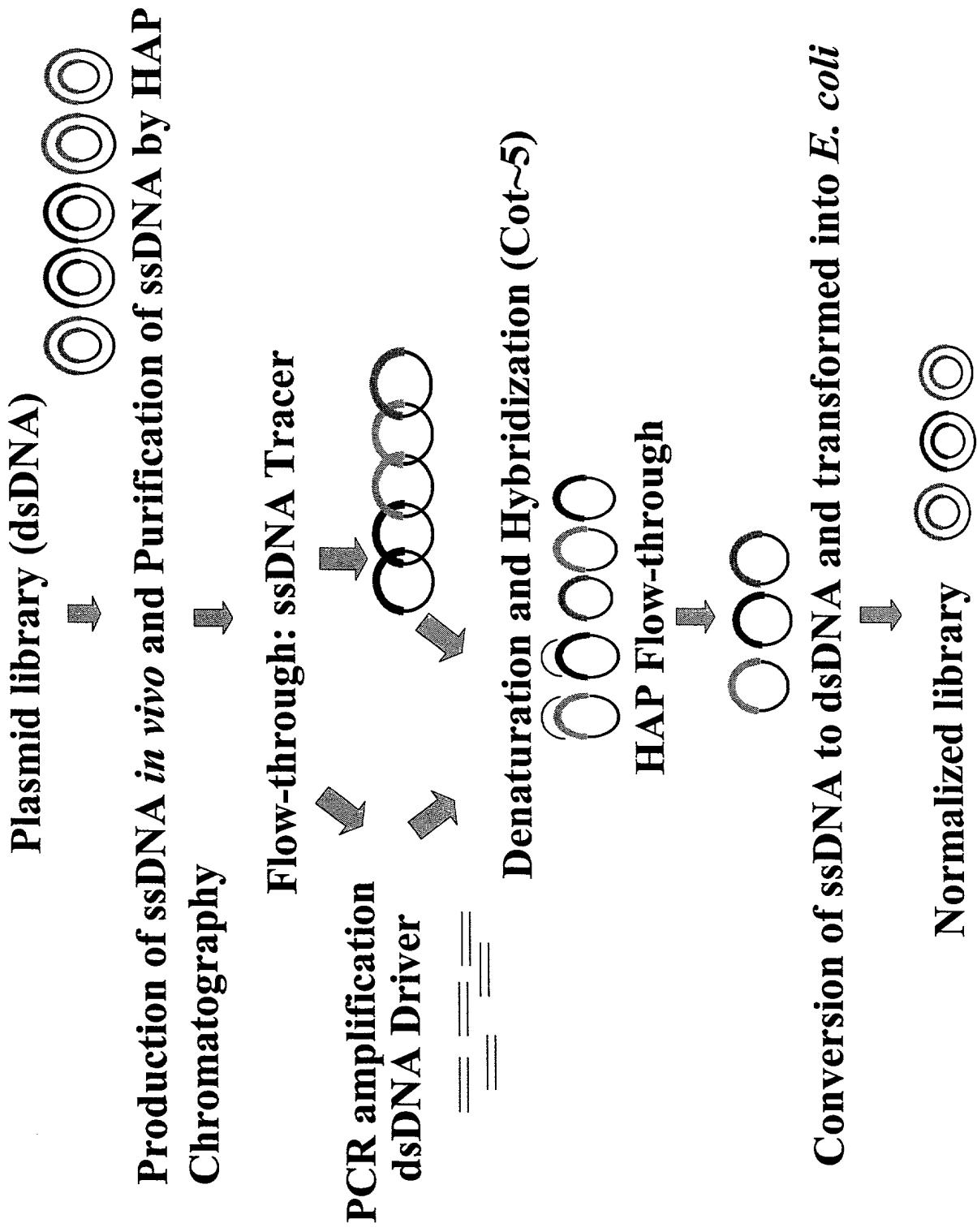
Ribosome binding site

Triple-ATGs

**Figure 5A**



**Figure 5 B**



(Method of Marcelo Bento Soares, Genome Research 6: 791-806, 1996)

# BLAST analyses of ORF Rescue Fragments

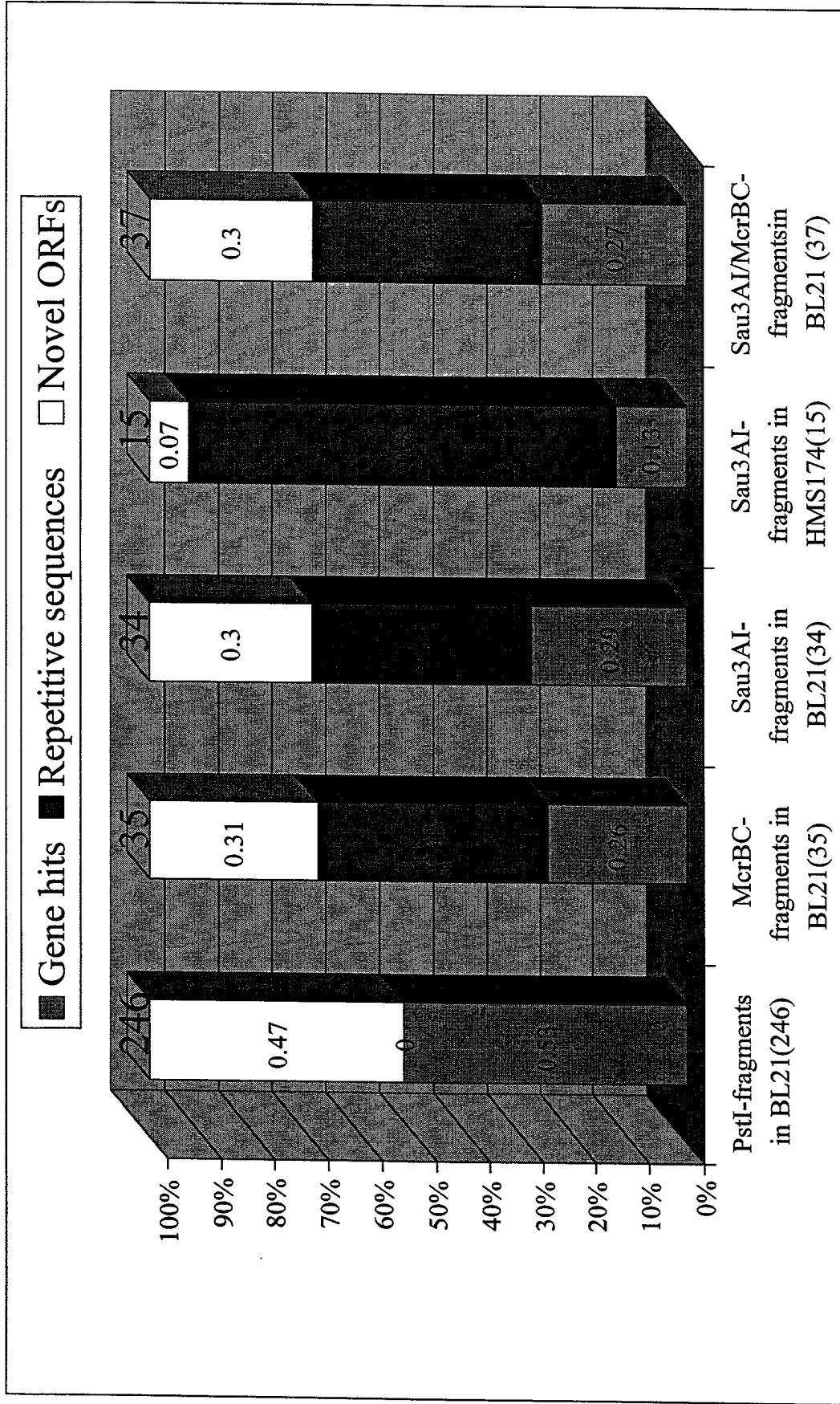


FIGURE 7